DERWENT-ACC-NO: 2002-251419

DERWENT-WEEK: 200230

TITLE: Electrostatic discharge protection structure of reticle used for stepper

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PATENT-ASSIGNEE: ANAM SEMICONDUCTOR LTD[ANAMN]

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PATENT-FAMILY:

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KR 2001057347 A	July 4, 2001	N/A	001	H01L 021/027

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
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INT-CL (IPC): H01L021/027

ABSTRACTED-PUB-NO: KR2001057347A

BASIC-ABSTRACT:

NOVELTY - An electrostatic discharge protection structure of a reticle used for a stepper is provided to prevent a reticle pattern from being damaged by static electricity.

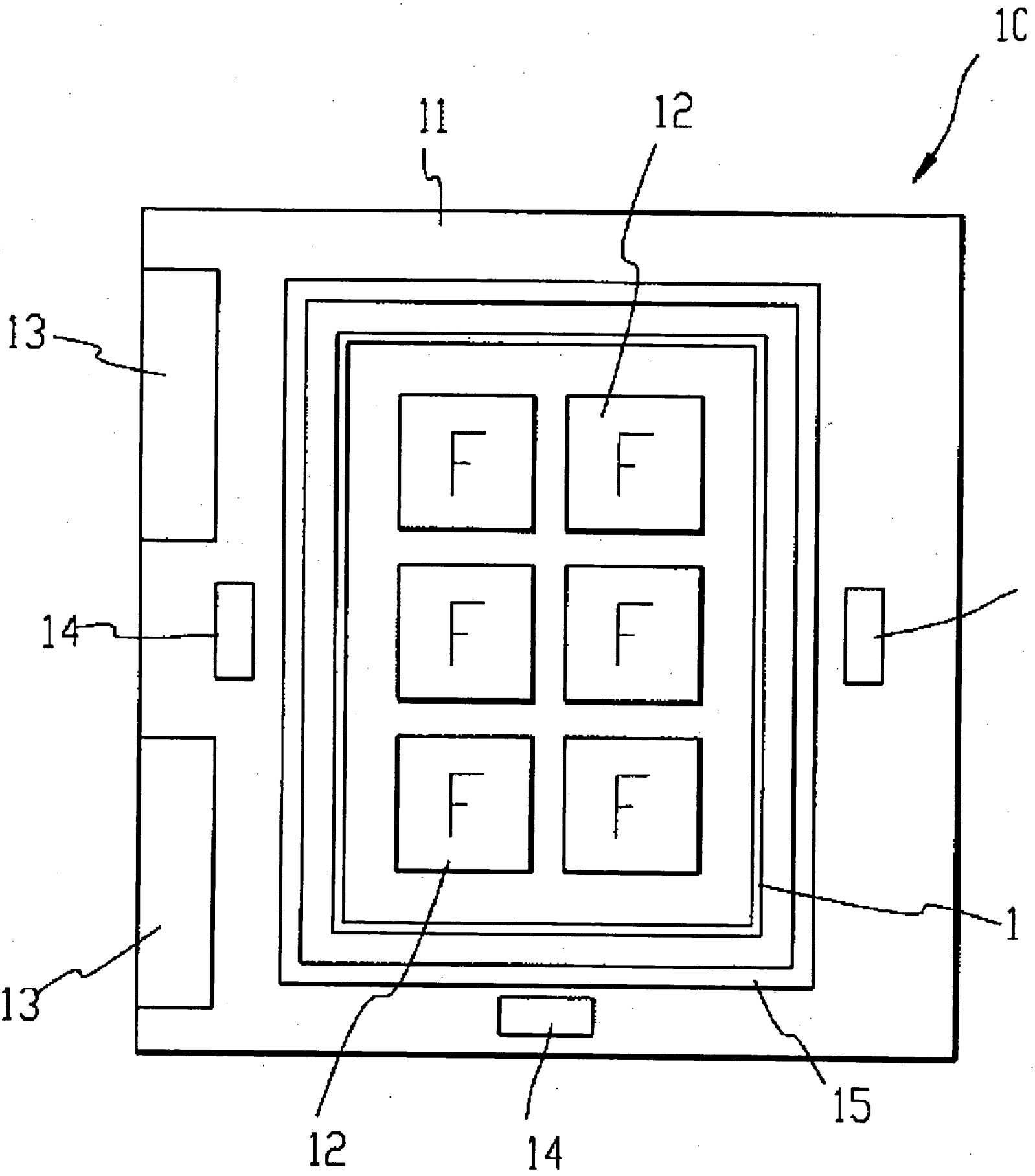
DETAILED DESCRIPTION - The reticle(10) has a surface(11) plated with chromium, and a main pattern(12) formed on the surface(11). Additionally, a bar code(13) and an alignment mark(14) may be formed on the surface(11). The bar code(13) is used for recognition of the reticle(10), while the alignment mark(14) is used for alignment of the reticle(10). In particular, the reticle(10) further has an electrostatic discharge protection band(15) and an electrostatic discharge induction band(16), both formed between the main pattern(12) and peripheries of the surface(11). The electrostatic discharge protection band(15) made of a nonconducting layer with equal width blocks a flow of electric charges near the peripheries of the surface(11) toward the main pattern(12). The electrostatic discharge induction band(16) made of a nonconducting layer with unequal width induces discharge of electric charges going over the electrostatic discharge protection band(15).

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: ELECTROSTATIC DISCHARGE PROTECT STRUCTURE RETICLE STEP

DERWENT-CLASS: T04 U11

EPI-CODES: T04-A03B1; T04-D04; U11-C15B1;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